

## PRODUCT-DETAILS

# OT80F4N2

## OT80F4N2 SWITCH-DISCONNECTOR



### General Information

|                       |                                                                                                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | OT80F4N2                                                                                                                                                                    |
| Product ID            | 1SCA105413R1001                                                                                                                                                             |
| EAN                   | 6417019393483                                                                                                                                                               |
| Catalog Description   | OT80F4N2 SWITCH-DISCONNECTOR                                                                                                                                                |
| Long Description      | 4-pole, front operated, base mounted, DIN-rail mountable switch-diconnect / non-fusible disconnect switch with protected clamp terminals, handle and shaft are not included |

### Circular Value

|                                             |                 |
|---------------------------------------------|-----------------|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |
| Environmental Information                   | 1SCC301263D0201 |
| REACH Declaration                           | 1SCC011021D0201 |
| RoHS Information                            | 1SCC011020D0201 |

### Ordering

|                        |              |
|------------------------|--------------|
| Minimum Order Quantity | 10 piece     |
| Customs Tariff Number  | 85365080     |
| Country of Origin      | Finland (FI) |

## Popular Downloads

|                                   |                                                       |
|-----------------------------------|-------------------------------------------------------|
| Data Sheet, Technical Information | 1SCC301020C0201                                       |
| Instructions and Manuals          | 1SCC301064M0212                                       |
| Mechanical Drawings               | 1SCC301452F0001<br>1SCC301451F0001<br>OT63-80F4N2.igs |

## Dimensions

|                            |         |
|----------------------------|---------|
| Product Net Width          | 70 mm   |
| Product Net Height         | 91.5 mm |
| Product Net Depth / Length | 72.5 mm |
| Product Net Weight         | 0.3 kg  |

## Technical

|                                                                   |                                                                                                    |
|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Rated Operational Current<br>AC-21A ( $I_e$ )                     | (380 ... 415 V) 80 A<br>(500 V) 80 A<br>(690 V) 80 A                                               |
| Rated Operational Current<br>AC-22A ( $I_e$ )                     | (380 ... 415 V) 80 A<br>(500 V) 80 A<br>(690 V) 80 A                                               |
| Rated Operational Current<br>AC-23A ( $I_e$ )                     | (380 ... 415 V) 75 A<br>(500 V) 58 A<br>(690 V) 20 A                                               |
| Rated Operational Power<br>AC-23A ( $P_e$ )                       | (220 ... 240 V) 22 kW<br>(400 ... 415 V) 37 kW<br>(500 V) 37 kW<br>(690 V) 18.5 kW                 |
| Conventional Free-air<br>Thermal Current ( $I_{th}$ )             | $\Theta = 40\text{ }^{\circ}\text{C}$ 80 A                                                         |
| Conventional Thermal<br>Current ( $I_{the}$ )                     | Fully Enclosed 80 A                                                                                |
| Rated Impulse Withstand<br>Voltage ( $U_{imp}$ )                  | 8 kV                                                                                               |
| Rated Insulation Voltage<br>( $U_i$ )                             | acc. to IEC/EN 60664-1 750 V                                                                       |
| Rated Operational Voltage                                         | Main Circuit 750 V                                                                                 |
| Rated Short-Circuit<br>Making Capacity ( $I_{cm}$ )               | (690 V) 2.1 kA                                                                                     |
| Rated Short-time<br>Withstand Current Low<br>Voltage ( $I_{cw}$ ) | for 1 s 1.5 kA                                                                                     |
| Rated Conditional Short-<br>Circuit Current ( $I_{nc}$ )          | (100 A fuse, $\leq 415\text{ V}$ ) 50 kA<br>(100 A fuse, 500 V) 100 kA<br>(80 A fuse, 690 V) 50 kA |
| Power Loss                                                        | at Rated Operating Conditions per Pole 4.5 W                                                       |
| Pollution Degree                                                  | 3                                                                                                  |
| Handle Type                                                       | Knob<br>Handle and shaft not included                                                              |
| Fourth Pole Position                                              | Right Side                                                                                         |
| Fourth Pole Type                                                  | Switched - Simultaneous Function                                                                   |
| Switches Operating<br>Mechanism                                   | Mechanism on Top of the Switch                                                                     |
| Distance Between Phases                                           | Standard                                                                                           |
| Position of Line Terminals                                        | Top In - Bottom Out                                                                                |

|                       |                                         |
|-----------------------|-----------------------------------------|
|                       | Bottom In - Top Out                     |
| Operating Mode        | Front operated                          |
| Standards             | IEC 60947-3 / UL 508 / CSA C22.2 No. 14 |
| Special Functions     | No                                      |
| Mounting Type         | Base mounting                           |
| Number of Poles       | 4                                       |
| Cable Cross-Section   | Cu 1.5 ... 35 mm²                       |
| Degree of Protection  | Front IP20                              |
| Terminal Type         | Screw Terminals                         |
| Tightening Torque     | acc. IEC 60947-1 2 N·m                  |
| Mechanical Durability | 20000                                   |
| Lock Type             | No                                      |

## Technical UL/CSA

|                                  |                                                                                                                                                                                                                                                                                 |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum Operating Voltage UL/CSA | 600 V                                                                                                                                                                                                                                                                           |
| Ampere Rating                    | 80 A                                                                                                                                                                                                                                                                            |
| Horsepower Rating UL/CSA         | (110 ... 120 V AC) Single Phase 2 Hp<br>(240 V AC) Single Phase 10 Hp<br>(440 ... 480 V AC) Single Phase 20 Hp<br>(550 ... 600 V AC) Single Phase 20 Hp<br>(220 ... 240 V AC) Three Phase 20 Hp<br>(440 ... 480 V AC) Three Phase 40 Hp<br>(550 ... 600 V AC) Three Phase 40 Hp |
| Tightening Torque                | acc. IEC 60947-1 2 N·m                                                                                                                                                                                                                                                          |
| Tightening Torque UL/CSA         | 18 in·lb                                                                                                                                                                                                                                                                        |

## Environmental

|                           |                                                                        |
|---------------------------|------------------------------------------------------------------------|
| RoHS Status               | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Environmental Information | 1SCC301263D0201                                                        |

## Certificates and Declarations (Document Number)

|                                |                           |
|--------------------------------|---------------------------|
| ATEX Certificate               | No certification needed   |
| Declaration of Conformity - CE | 1SCC301167D2704           |
| Environmental Information      | 1SCC301263D0201           |
| Instructions and Manuals       | 1SCC301064M0212           |
| REACH Declaration              | 1SCC011021D0201           |
| RoHS Information               | 1SCC011020D0201           |
| UL Certificate                 | cULus certificate OT16-80 |
| VDE Certificate                | No certification needed   |

## Container Information

|                                |             |
|--------------------------------|-------------|
| Package Level 1 Units          | box 1 piece |
| Package Level 1 Width          | 84 mm       |
| Package Level 1 Depth / Length | 103 mm      |
| Package Level 1 Height         | 82 mm       |
| Package Level 1 Gross          | 0.3 kg      |

|                     |               |
|---------------------|---------------|
| Weight              |               |
| Package Level 1 EAN | 6417019393483 |

Classifications

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| Object Classification Code | Q                                                          |
| ETIM 5                     | EC000216 - Switch disconnecter                             |
| ETIM 6                     | EC000216 - Switch disconnecter                             |
| ETIM 7                     | EC000216 - Switch disconnecter                             |
| ETIM 8                     | EC000216 - Switch disconnecter                             |
| ETIM 9                     | EC000216 - Switch disconnecter (low voltage)               |
| eClass                     | V11.1 : 27371403                                           |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm) |
| E-Number (Finland)         | 3601461                                                    |
| E-Number (Sweden)          | 3171071                                                    |

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

